NAME OF WORK: CONSTRUCTION OF SAMUDHAYA BHAVA[redacted] AT DASARAHALLI SC COLONY, MARIYANNAPALYA SC CALONY, AMRUTHAHALLI SC COLONY, KUVEMPUNAGARA SC COLONY, AND VARADARAJANAGARA SC COLONY.

Abstract of Detailed Cost Estimate

Sl. No.	Description of Work	Cost in Rs.
A	**Construction of Samudhaya Bhavan at Ward No. 6**	
1	Civil Works	3397990
2	Water Supply and Sanitary Works	159995
3	Electrical Works	336780
	Construction Cost (A)	**3894765**
B	**Construction of Samudhaya Bhavan at Ward No. 11**	
1	Civil Works	3397990
2	Water Supply and Sanitary Works	159995
3	Electrical Works	336780
4	**Construction Cost (B)**	**3894765**
	Total Cost	**7789530**
	Miscellaneous and Rounding off	**14470**
	preperation of DPR Charges (0.45% of the estimated cost)	**36000**
	Project Management Consultancy Charges (2% of the estimated cost)	**160000**
	Grand Total in Rs	**8000000**

Certificate:

1) The Work spot has been inspected and found to be necessory
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessory and minimum
4) The estimate is based on C.S.R 2016-2017 and approved rates

Assistant Engineer
Yalahanka Project
BBMP

Assistant Engineer
Yalahanka Project
BBMP

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Yalahanka Project
BBMP
22/5/18

Administrative Approval
Accorded For Rs:80.00 lakhs
Head of A/C P-3106
CER NO :68/17-18 Dt:28/11/17

E.E. (Project) 28/11

Technical Sanction
Accorded For Rs:80.00 lakhs
Head of A/C P-3106
CER NO :40/17-18 Dt:27/5/17

TA

CE (YNK)

CONSTRUCTION OF SAMUDHAYA BHAVAN BUILDINGS AT DASARAHALLI SC COLONY, MARIYANNAPALYA SC CALONY, AMRUTHAHALLI SC COLONY, KUVEMPUNAGARA SC COLONY, AND VARADARAJANAGARA SC COLONY.											
Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Repairs and dismantling items										
1	KSRRB M200-10.1 **Clearing and grubbing road land** including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm,, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials to be used or auctioned,s including removal and disposal of top organic soil not exceeding 150 mm in thickness as per specifications. I. By Manual I Means, A, In area of light jungle.MORTH Specification 201.(PWD, S.R. 2016-17)(Page No. 136, Item No.18.13)									
	Basic Rate =	48878.00								
	Area Weightage @8%=	3910.24								
	Total Rate =	**52788.24**	Ha							
				1	27.20	15.40		418.88		
				1	3.80	6.80		25.84		
								0.04	**52788.24**	**2347.60**
2	KSRRB M300-58: **Compaction of original ground** with maximum of 6 passes of 8 to 10 tones power roller including filing in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH Specification No.305.3.4(PWD, S.R. 2016-17)									
	Basic Rate =	4.50								
	Area Weightage @8%=	0.36								
	Total Rate =	**4.86**	Cum							
				1	27.20	15.40	0.30	125.66		
				1	3.80	6.80	0.30	7.75		
								133.42	**4.86**	**648.40**
3	KSRB 2 - 1.1: **Earthwork in surface excavation in ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.specification No.KBS 2.1(a) / 2.3.1 (PWD, S.R. 2016-17)(Page No. 5, Item No.2.1)									
	Basic Rate =	157								
	Area Weightage @8%=	12.56								
	Total Rate =	**169.56**	Cum							
				1	27.20	15.40	0.30	125.66		
				1	3.80	6.80	0.30	7.75		
								133.42	**169.56**	**22622.02**
4	KSRB 2-2.2: **Earthwork excavation by manual means for foundation** of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications. specification No.KBS2.1(b) /2.3.5 (PWD, S.R. 2016-17)(Page No. 5, Item No.2.4)									
	Basic Rate =	283.00								
	Area Weightage @8%=	22.64								
	Total Rate =	**305.64**	Cum							
	F1			14	2.40	2.40	1.50	120.96		
	F2			4	2.00	2.00	1.50	24.00		
	F3			1	1.70	1.70	1.50	4.34		
	External Wall			2	25.20	0.60	0.90	27.22		
				2	13.00	0.60	0.90	14.04		
	Partition Wall			2	4.90	0.45	0.60	2.65		
				1	23.00	0.45	0.60	6.21		
								199.41	**305.64**	**60946.76**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
5	KSRB4-1.3:- Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications . specification no KBS 4.1,4.2 (PWD, S.R. 2016-17)(Page No. 12, Item No.4.3)									
	Basic Rate =	4867.00								
	Area Weightage @8%=	389.36								
	Total Rate =	**5256.36**	Cum							
	F1			14	2.40	2.40	0.10	8.06		
	F2			4	2.00	2.00	0.10	1.60		
	F3			1	1.70	1.70	0.10	4.34		
	External Wall			2	25.20	0.60	0.10	3.02		
				2	13.00	0.60	0.10	1.56		
	Partition Wall			2	4.90	0.45	0.10	0.44		
				1	23.00	0.45	0.10	1.04		
								20.06	**5256.36**	**105437.33**
6	KSRB 4.2.1 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, Pedastals, retaining walls, return walls (any thickness) including attached pilasters, columns, pillars, posts, struts, bed blocks, anchor blocks and Plinth etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2016-17)(Page No. 13, Item No.4.10)									
	Basic Rate =	6221.00								
	Area Weightage @8%=	497.68								
	Total Rate =	**6718.68**	Cum							
	F1			14	2.20	2.20	0.60	40.66		
	F2			4	1.80	1.80	0.60	7.78		
	F3			4	1.50	1.50	0.60	5.40		
								53.83	**6718.68**	**361679.98**
7	KSRB 2.3: **Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2016-17)(Page No. 6, item No. 2.10)									
	Basic Rate =	127.00								
	Area Weightage @8%=	10.16								
	Total Rate =	**137.16**	Cum							
	Total Earth Work Qty.							199.41		
	Stage			1	7.80	6.00	0.60	28.08		
	Deduct									
	Bed Concrete							20.06		
	Footing							53.83		
	Columns upto ground level							0.57		
	S.S.M.Masonry in foundation							28.73		
								103.19		
								124.30	**137.16**	**17048.88**
8	KSRB5.2.2: Providing and constructing granite/trap/basalt **size stone masonry** in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification. No. KBS 5.1.13 (PWD, S.R. 2016-17)(Page No. 23, item No. 5.5)									
	Basic Rate =	4037.00								
	Area Weightage @8%=	322.96								
	Total Rate =	**4359.96**	Cum							
	External wall			2	25.20	0.45	0.45	10.21		
				2	13.00	0.45	0.45	5.27		
				2	25.20	0.45	0.30	6.80		
				2	13.00	0.45	0.30	3.51		
	For Partitions									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
				2	4.90	0.45	0.25	1.10		
				1	23.00	0.45	0.25	2.59		
								29.48		
	Deduct									
	Columns			18	0.23	0.45	0.40	0.75		
								28.73	**4359.96**	**125260.78**
9	KSRB 4.2.7 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2016-17)(Page No. 13, item No. 4.12)									
	Basic Rate =	6367								
	Area Weightage @8%=	509.36								
	Total Rate =	**6876.36**	Cum							
	Columns Upto Ground level			14	0.20	0.45	0.35	0.44		
				4	0.20	0.45	0.35	0.13		
				1	0.20	0.38	0.35	0.03		
	Columns			14	0.20	0.45	3.50	4.41		
				4	0.20	0.45	3.50	1.26		
				1	0.20	0.38	2.50	0.19		
	Plinth Beam									
	PB(200*300)			2	23.59	0.20	0.30	2.83		
				2	11.60	0.20	0.30	1.39		
	PB(115*225)			1	8.00	0.12	0.23	0.21		
				1	7.40	0.12	0.23	0.19		
				2	4.80	0.12	0.23	0.25		
				1	20.80	0.20	0.30	1.25		
	Roof Beam									
	GB(200*600)			2	13.00	0.20	0.60	3.12		
				2	25.20	0.20	0.60	6.05		
	GB(200*300)			2	4.80	0.20	0.30	0.58		
				1	12.50	0.20	0.30	0.75		
				1	8.00	0.20	0.30	0.48		
				1	20.80	0.20	0.30	1.25		
				1	7.40	0.20	0.30	0.44		
	Slabs									
	Room			1	2.30	2.50	0.15	0.86		
	Portica			1	4.80	2.80	0.15	2.02		
	Chajja			12	1.50	0.60	0.08	0.81		
	Lintel			12	1.50	0.20	0.20	0.72		
				2	1.20	0.12	0.12	0.03		
				2	0.90	0.12	0.12	0.02		
				1	2.40	0.20	0.20	0.10		
								29.79	**6876.36**	**204877.50**
10	KSRB 4-6.1: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specification Specification No. KBS 4.6.2 (PWD, S.R. 2016-17)(PWD,									
	Basic Rate =	226.00								
	Area Weightage @8%=	18.08								
	Total Rate =	**244.08**	Sqm							
	footing			56	2.20		0.60	73.92		
				16	1.80		0.60	17.28		
				16	1.40		0.50	11.20		
				4	1.40		0.50	2.80		
								105.20	**244.08**	**25677.22**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
11	KSRB 4-6.4: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 15, item No. 4.31)									
	Basic Rate =	293.00								
	Area Weightage @8%=	23.44								
	Total Rate =	**316.44**	Sqm							
	PB(230*375)			2	23.59		0.75	35.39		
				2	11.60		0.75	17.40		
				1	8.00		0.75	6.00		
				1	20.80		0.45	9.36		
				1	7.40		0.45	3.33		
								71.48	**316.44**	**22617.55**
12	KSRB 4-6.5: Providing and **removing centering, shuttering, strutting, propping** etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 16, item No. 4.32)									
	Basic Rate =	366.00								
	Area Weightage @8%=	29.28								
	Total Rate =	**395.28**	Sqm							
	Columns Upto Ground level			20	1.36		0.35	9.52		
	Above GL			20	1.36		3.50	95.20		
								104.72	**395.28**	**41393.72**
13	KSRB 4-6.2: Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2016-17)(Page No. 15, item No. 4.29.2)									
	Basic Rate =	550.00								
	Area Weightage @8%=	44.00								
	Total Rate =	**594.00**	Sqm							
	Slabs			1	2.30	2.50		5.75		
								5.75	**594.00**	**3415.50**
14	KSRB 15-3.14: Providing **12mm thick cement plaster** in Single coats with cement mortar **1:3**, to ceiling including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD, S.R. 2016-17)(Page No. 114, item No. 15.21)									
	Basic Rate =	193.00								
	Area Weightage @8%=	15.44								
	Total Rate =	**208.44**	Sqm							
	Stage			1	7.80		6.00	46.80		
								46.80	**208.44**	**9754.99**
15	KSRB 4.9.2: Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT bars Fe 500(PWD, S.R. 2016-17)(Page No. 1, item No. 4.46.2)									
	Basic Rate =	70675.00								
	Area Weightage @8%=	5654.00								
	Total Rate =	**76329.00**	Tonne							
	Footings @ 50Kg/cum				53.83			26.92		
	Columns @ 150Kg/cum				6.45			9.68		
	Plinth beam @130Kg/cum				6.12			7.95		
	Roof Slab @ 90Kg/cum				2.88			2.59		
	Lintel @ 100Kg/cum				0.87			0.87		
	Chajja @ 80Kg/cum				0.81			0.65		
	Roof Beam @ 140Kg/cum				12.67			17.73		
								66.39		
								6.64	**76329.00**	**506730.66**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
16	KSRB 5-14 : Providing and constructing **load bearing wall with solid concrete blocks** having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm (PWD, S.R. 2016-17)(Page No. 24, Item No. 5.26.1)									
	Basic Rate =	937.00								
	Area Weightage @8%=	74.96								
	Total Rate =	**1011.96**	Sqm							
				2	25.20		3.50	176.40		
				2	13.00		3.50	91.00		
				1	13.00		3.50	45.50		
				1	8.30		0.23	1.87		
				1	8.00		0.60	4.80		
	Stage							138.37		
	Deduct			2	2.40		2.40	11.52		
	D1			2	1.20		2.10	5.04		
	D2			2	0.90		2.10	3.78		
	D3			12	1.50		1.00	18.00		
	W1			12	1.50		0.30	5.40		
	v1			2	0.60		0.30	0.36		
	V2							44.10		
								94.27	**1011.96**	**95394.94**
17	KSRB 5-15 : Providing and constructing **non-load bearing wall** with cement concrete solid blocks with compressive strength not less than 3.5 Newton per Sqmm with cement mortar 1:4 (quoin, Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (PWD, S.R. 2016-17)(Page No. 25, item No. 5.28)									
	Basic Rate =	716.00								
	Area Weightage @8%=	57.28								
	Total Rate =	**773.28**	Sqm							
	Parapete			2	4.80		3.00	28.80		
				2	4.35		3.00	26.10		
				1	8.00		3.00	24.00		
								52.80	**773.28**	**40829.18**
18	KSRB 14.10-2 Flooring with **20mm thick polished shahabad slabs** using cement morter 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the side of the slab, including cost of materials, labour, curing, polishing complete as per specifications, Specification no. KBS (PWD, S.R. 2016-17)(Page No. 103, item No. 14.16)									
	Basic Rate =	1199.00								
	Area Weightage @8%=	95.92								
	Total Rate =	**1294.92**	Sqm							
	Hall			1	13.00	14.44		187.72		
	Lobby			1	9.20	4.30		39.56		
	Room			2	2.30	2.50		11.50		
	Stage			1	7.80	6.00		46.80		
				2	2.60	2.20		11.44		
				1	1.60	3.80		6.08		
								303.10	**1294.92**	**392490.25**
19	KSRB 14.14-5: Providing **Ceramic tiles** of approved make, shade and size for flooring treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement usign colour pigment, including cost of materials, labour, curing, complete as per specifications.(size 30 x 30 cms) (PWD, S.R. 2016-17)(Page No. 106, item No. 14.36.2)									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Basic Rate =	1176.00								
	Area Weightage @8%=	94.08								
	Total Rate =	**1270.08**	sqm							
	Toilet			2	1.80	2.00		7.20		
								7.20	1270.08	9144.58
20	KSRB 14-17.1: Providing skirting, dado, rises of steps with **White glazed tiles 20x20cms 6mm** thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. specification No. KBS 14.16,14.17(PWD, S.R. 2016-17)(Page No. 106, item No. 14.40)									
	Basic Rate =	951.00								
	Area Weightage @8%=	76.08								
	Total Rate =	**1027.08**	sqm							
				2	3.80		2.10	15.96		
				2	0.75		2.10	3.15		
								12.81	1027.08	13156.89
21	KSRB9.4.1-Providing **Math/Nandi wood frames of doors** ,windows, clerestory windows, ventilatorsand other frames,wroughtframed or assembled including making plaster grooves(excluding cost of cement concrete and side clamps),but including cost of materials,labour ,HOM of machineries, complete as per specifications. Specification No.KBS9.33 (PWD, S.R. 2016-17)(Page No. 51, item No. 9.12)									
	Basic Rate =	80792.00								
	Area Weightage @8%=	6463.36								
	Total Rate =	**87255.36**	Cum							
				2	0.05	0.10	2.40	0.24		
				2	0.10	0.05	2.40	0.48		
								0.72	87255.36	62823.86
22	KSRB9.5-1:Providing and fixing in position Mathi.**Nandi wood shutters** for doors with styles and rails of 40 mm, thick with bottom and lock rails 180 mm wide top rails and styles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials , labour HOM of machinery complete as per specifications (excluding cost of fixtures) specification no.KBS 9.34 (PWD, S.R. 2016-17)(Page No. 51, item No. 9.16)									
	Basic Rate =	3925.00								
	Area Weightage @8%=	314.00								
	Total Rate =	**4239.00**	Sqm							
				2	2.40		2.40	11.52		
								11.52	4239.00	48833.28
23	KSRB 15-1.3: Providing ruled **pointing** to coursed stone masonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicely lining including cost of materials , labour, curing complete as per specifications (PWD, S.R. 2016-17)(Page No. 113, item No. 15.3)									
	Basic Rate =	98.00								
	Area Weightage @8%=	7.84								
	Total Rate =	**105.84**	Sqm							
				2	25.20		3.50	176.40		
				2	13.00		3.50	91.00		
				2	4.80		2.10	20.16		
				2	3.80		2.10	15.96		
				1	9.20		3.50	32.20		
				1	8.30		0.23	1.87		
								337.59		
	Deduct									
	D1			2	2.40		2.40	11.52		
	D2			2	1.20		2.10	5.04		
	D3			2	0.90		2.10	3.78		
	W1			12	1.50		1.00	18.00		
	v1			12	1.00		0.30	3.60		
	V2			2	0.60		0.30	0.36		
								42.30		
								295.29	105.84	31253.23
24	KSRB 15-3.9: Providing **18mm thick cement plaster** in Single coats with cement mortar **1:6** to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. External Plastering (PWD, S.R. 2016-17)(Page No. 114, item No. 15.17)									
	Basic Rate =	198.00								
	Area Weightage @8%=	15.84								
	Total Rate =	**213.84**	Sqm							
				1	25.20		3.50	88.20		
				1	13.00		3.50	45.50		
								133.70		
	Deduct									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	D1			2	2.40		2.40	11.52		
	W1			12	1.50		1.00	18.00		
	v1			12	1.00		0.30	3.60		
								33.12		
								100.58	**213.84**	**21508.03**
25	KSRB 15-15.1: Providing and applying **painting in two coats with plastic emulsion paint** of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specification - do with primer (PWD, S.R. 2016-17)(Page No. 117, item No. 15.51.2)									
	Basic Rate =	90.00								
	Area Weightage @8%=	7.20								
	Total Rate =	**97.20**	Sqm					295.29		
	Internal Plastering							100.58		
								395.87	**97.20**	**38478.32**
26	KSRB15-16.2: Providing and finishing external walls with in **two coats with water proof cement paint** of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortardrops and other foreign matter cost of material labour complete as per specifications with primer. (PWD, S.R. 2016-17)(Page No. 118, item No. 15.53.2)									
	Basic Rate =	84.00								
	Area Weightage @8%=	6.72								
	Total Rate =	**90.72**	Sqm					100.58		
								100.58	**90.72**	**9124.62**
27	KSRB 7.10 : Providing and fixing in position anodized **aluminium windows and ventilators** as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mm x 18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc. and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steels crews, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rust and coated with greasy for non adhesion of mortor and other sticky materials: (this coating should be cleaned after installation) including cost of materials, labour charges, HOM of machineries complete as per specifications. Specification No. KBS (Page No. 32, item No. 7.10.1)									
	Basic Rate =	3818								
	Area Weightage @8%=	305.44								
	Total Rate =	**4123.44**	Sqm							
				12	1.50		1.00	18.00		
				12	1.00		0.30	3.60		
								21.60	**4123.44**	**89066.30**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
28	KSRB 7.17: Providing , fabricating , assembing and fixing in position **aluminium doors** using following **aluminium mat finish or glossy finish**, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505 kg/m , top section 47.62x44.45mm thickness 3.18mm, section weight 2.646 kg/m, door central section 49.91x44.45mm thickness 3.00mm,section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m , aluminium section cut to length joint metred corners grinded , the shutters pivoted opening arrangment with heavy duty aluminium alloy automatic door closures floor mounted ,providing and fixing standard approved accessories , such as aluminium handle for full width or length, tower bolts, lock , pivots :P.V.C.or rubber gasket with 5.5m.thick plain glass for top and bottom panel: aluminium section treated for removel of any rust and prevention of further rust formation,and coated with greasy materials for non - adherance of mortars or any other stick materials; the assemble frame fitted with the corner angles, strips and fitted with screws ,rawl plugs or teakwood guttise to R.C.C.columns or masonry on sides. beams and flooring in bottom. including cutting , chistling and making good with cement mortar to match the surface ;all the frames throughly cleaned free from rust, scale , or dirt including cost of materials fixtures labour and HOM of machinery complete as									
	Basic Rate =	6310.00								
	Area Weightage @8%=	504.80								
	Total Rate =	**6814.80**	Sqm							
	D1			2	0.90		2.10	3.78		
				2	1.20		2.10	5.04		
								8.82	**6814.80**	**60106.54**
28	KSRB 7.5:Providing and fixing **pull and push type rolling shutters** of approved make out of 18 guage,75mm wide cold rolled steel latths of convex corrugation,with side guides and bottom rail,with interlocking arrangement for steel laths by means of alternate clips,suspension shaft with high tension coil type springs two numbers,mounted on specially designed pipe shaft,with bracket plates, guide channels, ball bearing arrangments ,for inside & outside locking with push & pull operations complete including pulling hooks, 4nos. handles with all fitting and accessories, labour, Hom of machinery complete as per specifications shutter size 3mx2.8m specification no.KBS 7.10/7.12(Page No. 31, item No. 7.5)									
	Basic Rate =	2862								
	Area Weightage @8%=	228.96								
	Total Rate =	**3090.96**	Sqm							
				1	2.40		2.40	5.76		
								5.76	**3090.96**	**17803.93**
29	Fabrication,supplying and erection, **M.S. Tubular Trusses** of all spans as per approved drawing and design with prefabricated steel applications using quality material and are durable , reliable and corrosion and abrasion resistant. Welding shall confirm to latest strucutre welding code. Quality shall be on various parameters like shape , size ,design, guage and polish. The entire trusses is anchored to R.C.C. Column by using 4 nos. of M.S. aNCHOR BOLTS AT EACH SUPPORT WITH 10 MM thick base plate and shoe plate . The work includes cutting , straightening, placing in position of M.S. Pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials , labour charges ,and hire charges of machineries for cutting welding,grinding and erection equipments,i with all lead, lift transportation etc. complete as per specifications.(PWD, S.R. 2016-17)(Page No. 40, item No. 7.29)									
	Basic Rate =	110.00								
	Area Weightage @8%=	8.80								
	Total Rate =	**118.80**	m							
	per Meter = 4.93 kgs			7	14.60			102.20		
				7	14.44			101.08		
								203.28		
								1002.17	**118.80**	**119057.84**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
30	Fabrication,supplying and erection, **M.S.Angular Trusses** for all spans as per approved designs and drawing the entire truss is anchored suitaby by using 4 nos . Of M.S.anchor bolts at each support , with base plate and shoe plate. The work includes cutting , straightening , placing in position of M.S.angle and welding wherever necessary , and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges , &hire charges of machineries for cutting , welding , grinding & erection equipments , etc..,complete as per specification(Page No. 41, item No. 7.3)									
	Basic Rate =	117								
	Area Weightage @8%=	9.36								
	Total Rate =	**126.36**	m							
	per Meter = 4.93 kgs			7	25.00			175.00		
				9	26.00			234.00		
								409.00		
								2016.37	**126.36**	**254788.51**
31	Providing and laying **non-asbestos high impact polypropylene reinforced corrugated cement roofing sheet** reinforced with a blend of strong factory made fibers as per IS:14871(PWD, S.R. 2016-17)(Page No. 49, item No. 8.31.1)									
	Basic Rate =	534.00								
	Area Weightage @8%=	42.72								
	Total Rate =	**576.72**	Sqm							
				1	14.44		25.20	363.89		
				1	4.80		2.80	13.44		
	Deduct (Room			1	2.30		2.50	5.75		
								371.58	**576.72**	**214296.46**
	Chain link fencing									
32	KSRB 2-2.1: **Earthwork excavation for foundation** of buildings culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches where excavation width is up to 600mm and below 1.5m, in ordinary soil including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/2.3.5. (PWD, S.R. 2016-17)(Page No. 5, item No. 2.1)									
	Basic Rate =	157.00								
	Area Weightage @8%=	12.56								
	Total Rate =	**169.56**	Cum							
				1	59.00	0.45	0.65	17.26		
								17.26	**169.56**	**2926.18**
33	Providing and laying in **position plain cement concrete of mix M 1:3:6** With opc Cement @ 220 kgs with using 40mm and down size graded granite metal Coarse Aggregates @0.892Cum , & Fine Aggregates @0.465Cum ,machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1,4.2. (PWD, S.R. 2016-17)(Page No. 12, item No. 4.1)									
	Basic Rate =	5046.00								
	Area Weightage @8%=	403.68								
	Total Rate =	**5449.68**	Cum							
				1	59.00	0.45	0.10	2.66		
								2.66	**5449.68**	**14468.90**
34	KSRB 5.1.3..Providing and constructing **granite / trap/ basalt size stone masonry in foundation** with cement mortar 1:6 stone hammer dressed in courses not less then 20 cms high, bond stones at 2 m apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD, S.R. 2016-17)(Page No. 23, item No. 5.3)									
	Basic Rate =	3249.00								
	Area Weightage @8%=	259.92								
	Total Rate =	**3508.92**	Cum							
				1	59.00	0.45	0.50	13.28		
								13.28	**3508.92**	**46580.91**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
35	Providing and constructing **grantie /trap / basalt size stone masonry in Basement** with cement mortar 1:6, edges of stone chistle dressed in course not less than 15 cms. high with bond stones at 2m apart in each course including cost of all materials, labour, curing cmplete as per specifications (PWD, S.R. 2016-17)(Page No. 23, item No. 5.9)									
	Basic Rate =	5005.00								
	Area Weightage @8%=	400.40								
	Total Rate =	**5405.40**	Cum							
				1	59.00	0.45	0.25	6.64		
								6.64	**5405.40**	**35878.34**
36	KSRB 4.2.8 : Providing and laying in **position reinforced cement concrete of design mix M-20** with OPC Cement @342kgs using 20mm and down size granite metal coarse aggregate @0.69cum and fine aggregates @0.46 cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed 2008, machine mixed concrete laid in layers not exceeding 15cm thick vibrated for all works in ground floor level for roof slabs , staircases, lintel beams, Columns, including cost of materila , labour, HOM of machinery curing complete , complete (exclusive of cost ofreinforcement as per specifications. Specification no.KBS 4.1,4.6 (PWD, S.R. 2016-17)(Page No. 14, item No. 4.18)									
	Basic Rate =	6158.00								
	Area Weightage @8%=	492.64								
	Total Rate =	**6650.64**	Sqm							
				25	0.45	0.25	0.40	1.13		
								1.13	**6650.64**	**7481.97**
37	KSRB 15.1.5 Providing raised and cut **pointing** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking out joints to depths of 20mm nicely lining, including cost of all materials, labour, curing complete as per specifications. (PWD, S.R. 2016-17)(Page No. 113, item No. 15.5)									
	Basic Rate =	143.00								
	Area Weightage @8%=	11.44								
	Total Rate =	**154.44**	Sqm							
				2	59.00	0.25		29.50		
								29.50	**154.44**	**4555.98**
38	Supplying and fixing **M.S Rectangular poles made out of 2 equal angles of 65x65x6** mm welded together and fixed in cc 1:2:4 with 2 nos 16mm dia M.S hold fast rods each of length 25cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welding joints with all lead lifts and as per directions of the Engineer in- charge of the work and including two coats of paint over one coat of shop painting (excluding cost of earthwork and concrete) (PWD, S.R. 2016-17)(Page No. 262, item No. 37.2)									
	Basic Rate =	819.00								
	Area Weightage @8%=	65.52								
	Total Rate =	**884.52**	m							
				25	1.90			47.50		
								47.50	**884.52**	**42014.70**
39	Providing and fixing **M.S block pipe of 38mm dia** of heavy gauge of 14 including removing the bends, cutting the pipe and fixing between the two vertical poles(M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (PWD, S.R. 2016-17)(Page No. 262, item No. 37.4)									
	Basic Rate =	324.00								
	Area Weightage @8%=	25.92								
	Total Rate =	**349.92**	m							
				25	5.00			125.00		
				.				**125.00**	**349.92**	**43740.00**